



Plugging Into the Future



Mission Statement

The Fairfax County Private Sector Energy Task Force will identify opportunities to develop a transformational vision, supported by achievable strategies that will define the steps our community can take to position itself as a leader in the area of energy efficiency, sustainability, and “green” technology.



Why Does Energy Efficiency Matter?

- Energy Cost and price stability
- Energy security
- Business efficiency
- Getting ahead of any GHG regulations

The Employers Fairfax seeks to attract increasingly are looking for energy efficiency



Principles

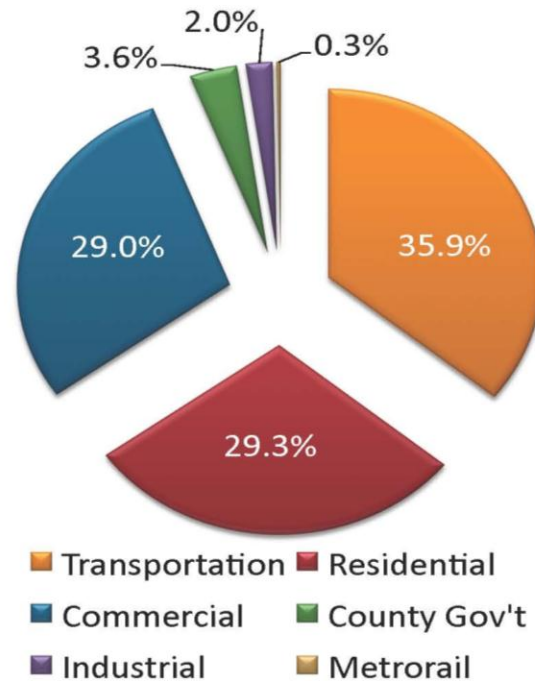
- Recommendations should be based on sound business judgment, i.e. actions that provide environmental and economic benefits.
- Seek to avoid any increase in the regulatory burden for the county or its citizens.
- Recommendations should be compatible with broader regional initiatives.



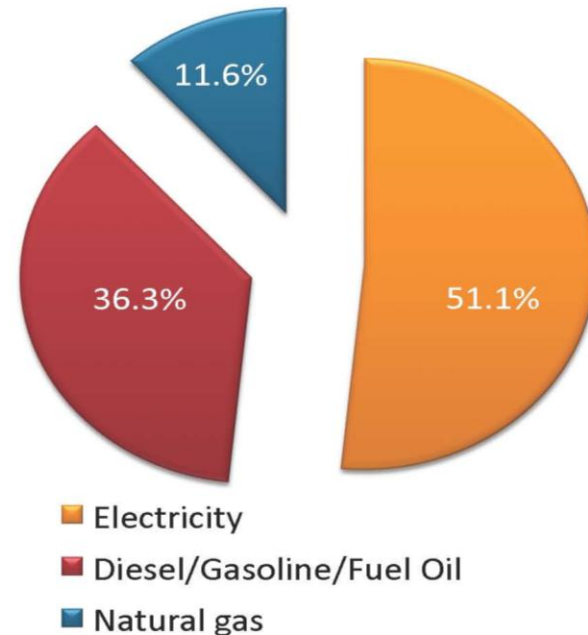
Fairfax County GHG Emissions Inventory

GHG Emissions in 2006

By Sector



By Source





Interim Report is Presented in Three Sections

1. Commercial and residential buildings, together with their energy sources
2. Transportation
3. Proposed short and long term goals

Section one is covered by this document



First: Educate Ourselves

Report summarizes our findings with respect to:

- Commercial and residential buildings
- County government, including the school system
- Technology
- Building operations
- District energy
- Human behavior and the role of educational programs
- Conservation v sustainable energy
- Market demand, financial incentives, and funding
- Gas and electric utilities, telecoms, etc.



Commercial and Residential Buildings

Existing Inventory Pre 2000

- Largest potential for near term energy savings
- Heating and cooling systems nearing replacement
- Design pre-dates energy efficiency concerns

New Construction

- Will equal 40%+ of the inventory by 2040
- Built in the era of energy efficient buildings
- Assumes average 2% per annum for new construction



Educational Promotion

- Promotion to show employers and citizens how they can save money through energy efficient practices and products.
- Initiatives to engage employees, communities, homeowners, and people, i.e. to make energy saving fun, financially beneficial, and something to be proud of.



The Challenge...

...in Virginia's heavily regulated, relatively low cost energy environment:

- Demonstrate the environmental and economic benefits of energy efficient technologies to both commercial property owners and homeowners.
- Educate citizens and small business owners about the environmental and economic benefits of clean and efficient energy usage.
- Create energy “literacy” so that residents can clearly evaluate energy choices.
- Identify, and ideally eliminate, procedural barriers to clean and efficient energy use at all levels of county, state, and possibly federal government.
- Publicize and expand upon the existing list of financial incentives for energy saving initiatives.



Next Steps

- Prepare Interim Transportation report
- Develop recommendations for Fairfax Board's consideration
- Recommend and justify an achievable goal



Gratitude

The Chairman's Private Sector Energy Task Force expresses thanks to the many business executives, specialists and members of county staff who have willingly shared their time and knowledge with the Task Force.